Work Order ID 62266

September 24, 2010 8:10:52 AM

Item ID:

D3936-5

Revision ID:

Item Name:

Start Date: Required Date: 10/01/10

9/24/10

Divider

Start Qty: 5.00 Req'd Qty: 5.00

Reference:

Approvals:

Sequence ID/

QC:

Process Plan:

Α

Operation Description

Work Center ID > **Draw Nbr**

Revision Nbr

D3936

100

Waterjet

FLOW CNC Waterjet

F061.040

Memo

1-Cut as per Dwg D3936

Dwg Rev: Prog Rev: 4

grain direction per dwg

Date:

Date:

2-Deburr if necessary

110

QC2- Inspect parts off machine FAI/FAIB

Quality Control

Memo

Accept

Tooling:

0.00

0.00

0.00

0.00

SPC (Y/N):

Set Up/-

Run Hours



Setup Start

Stop



Cust Item ID:

Customer:

Date:

Date:

Run

Start

Stop

Tool ID

Tool # Plan

Accept Qty Code

Reject **Qty**

Reject

Insp. Number Stamp

B10-9-37

AS 10. 9-27

| 3936-5 PAR #: | _ Dispositi | tegory: Smallfob, | | | | A: | | o love to |
|---|---|---|--|--|--|--|--|--|
| Resolution: 5000 | _ Dispositi | ion: <u>SCVAD</u> | M-Jet-NC | | | · // | | 10 0 6 |
| Resolution: 5000 | _ Dispositi | ion: <u>SCVAD</u> | M-Jet-NC | | | · // | | 10 0 6 |
| Resolution: 5000 | _ Dispositi | ion: <u>SCVAD</u> | | | | · // | | o love to |
| Resolution: 5000 | _ Dispositi | ion: <u>SCVAD</u> | | | | · // | | o love to |
| | | | QA | : N/C Cld | sed: <u> </u> | 105/ | ₩ Date: _ | 10/10/0 |
| W | ORK ORL | DED MON COME | | | | | | |
| | | DER NON-CONF | ORMANCE | E (NCR) |) | 10 | | |
| Description of NC Section A | Initial | | ription | Sign & | | | Approval Chief Eng | Approval QC Inspector |
| Found aby x2 parts with lears in/lears outs on some of the 9.098" hole. (I part with about hole. Ho & 200 with a hole.) | | | | - | 8 | 1/26 | Positive | (don)27 |
| per Devoll. Machine mains out of here location with Preson still in the line R.C. Primodise matrunction. | Posiu2 | | | | | / | | 10/02/27 |
| | Section A Found aby x2 parts with lead in/lead outs on some P the glogs " holy. (I part with alight hole. to \$ 200 with 2 hold.) PC. Dewill. Machine mains | Section A Initial Chief Eng Fround aby 2 parts with lead in lead out on some I the glog 8" holy. (I part with at 181 hole. to \$ 200 with 2 hole.) Let. Deusl. Machine mains | From at 12 part with lead in the lead in the school of the good with a lead in the lead with lead with hole. (I part with a light hole. (I part with a light hole. the \$200 with 2 hole.) | Initial Action Description Chief Eng Fround aby 2 Parb with leas in least in some I the g.098" hole. (I part with aliel hole. 16 \$ 200 with 2 hole.) LC. Dewill. Machine mains | Frand Aty 2 Parts with lead in the lead in the state of the diagram hale. (I part with at all hale. the \$200 with 2 hale.) Let Devol Machine mains 1 | Initial Section A Sign & Sign & Section A Chief Eng Chief Eng Chief Eng Chief Eng Chief Eng Section Chief Eng Chief Eng Section Chief Eng Chief Eng Section Chief Eng Section Chief Eng Ch | Initial Action Description Sign & Date From Only 2 Parb with lens in Jens with align hale. (Ipart with align) hale. (Ipart with align) Action Description Chief Eng Date From Only 2 Parb with Action Description Chief Eng Date Sign & Date Section C We find align Section C We provide the section C The provide the | Pround any 2 parts with lead in the state of |

Work Order ID 62266

September 24, 2010 8:10:52 AM

Item ID:

D3936-5

Revision ID:

Item Name:

Divider

Start Date:

9/24/10

Start Qty: 5.00

Required Date: 10/01/10

Req'd Qty: 5.00



Accept



Setup Start



Page 2

Stop

Cust Item ID: Customer:

Tool ID

Reference:

Approvals:

Process Plan:

QC:

Date: Date: Tooling:

SPC (Y/N):

Set Up/

Run Hours

Date:

Date:

Tool # Plan

Code

Run Start

Reject

Qty

Stop

Sequence ID/

Work Center ID

120

Quality Control

Operation Description

QC8- Inspect parts - second check

Memo

SB 10/09/20

0.00 Diolog125 0.00

Accept

Qty

Reject Number

Insp. Stamp

130



Brake NC

Memo

Bend as per Dwg

QC5- Inspect part completeness to step on W/O

0.00

0.00

140

Quality Control

Memo

| W/0:66 | 2266 | WORK ORDER CHANGES | | | | | | | | | |
|-------------|----------|---------------------------------------|----|----------|-----|-------------------------------|--------------------------|--|--|--|--|
| DATE | STEP | PROCEDURE CHANGE | Ву | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector | | | | |
| 10/9/28 | 4100 | ADD skop to Alachie + Oc3 As per Day. | 24 | 10.00.01 | | | 90/09/24 | | | | |
| 10lor/28 | 尹141 | Alodin (chemical coat) As po as 2005 | BR | 10-9-30 | 6 | | 5 10/01/28 | | | | |
| & Idon late | # 142 | QC3 inspect chemical coat per QSZ vos | M | 10-9-30 | 46 | | Soloslie | | | | |

| Resoluti | on: | Disposition: | QA: N/C Closed: | Date: |
|-----------------------|-----------|-----------------|------------------|-------|
| Part No: <u>D3936</u> | -5 PAR #: | Fault Category: | NCR: Yes No DQA: | Date: |

| NCR: | CR: WORK ORDER NON-CONFORMANCE (NCR) | | | | | | | | | | | |
|------|--------------------------------------|-------------------|----------------------|-----------------------------|--------------|-----------|-----------|-------------------------|--|--|--|--|
| | | Description of NC | | Corrective Action Section B | Verification | Approval | Annroya | | | | | |
| DATE | STEP Description of NC Section A | | Initial Chief Eng | | | Section C | Chief Eng | Approval QC Inspecto | | | | |
| | | | | | | | | | | | | |
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Work Order ID 62266

September 24, 2010 8:10:53 AM

Item ID:

D3936-5

Revision ID:

Item Name:

Divider

QC:

Start Date:

9/24/10

Start Oty: 5.00

Operation

Description

Required Date: 10/01/10

Req'd Qty: 5.00



Accept



Run

Setup Start

Stop



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Identify as per dwg & Stock Location:

Date:

Date:

Tooling:

SPC (Y/N):

Date:

Date:

Start

Stop

Sequence ID/ Work Center ID

150

Packaging

Packaging

Memo

Memo

Set Up/ **Run Hours**

0.00

0.00

Tool ID

Tool # Plan Code

Accept Qty

Reject Reject Qty Number

Insp. Stamp

160

Quality Control

QC21- Final Inspection - Work Order Release

0.00

0.00

| W/O: | • | | 10/ | ODK ODDED CHAN | ICEC | | | | | | | | | | | |
|---------|------|-------------------|------------------------|------------------------------|------------|----------------|-------------|--------|-------------------------|--------------------------|--|--|--|--|--|--|
| | | | | ORK ORDER CHAN | | | | | Approval | Annroyal | | | | | | |
| DATE | STEP | PRO | OCEDURE CHA | ANGE | By Date Qt | | | Qty | Chief Eng / Prod Mgr | Approval QC Inspector | | | | | | |
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| Part No | : | PAR #: | PAR #: Fault Category: | | | | | | NCR: Yes No DQA: Date: | | | | | | | |
| | | solution: | | | | | | | | | | | | | | |
| NCR: | | , | WORK ORD | ER NON-CONFORM | MANCE (| (NCR) | | | | | | | | | | |
| | | Description of NC | | Corrective Action S | ection B | | Verific | cation | Approval | Approval | | | | | | |
| DATE | STEP | Section A | Initial Chief Eng | Action Description Chief Eng | n | Sign & Date | Secti | | Chief Eng | QC Inspector | | | | | | |
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Picklist Print

September 24, 2010 8:10:52 AM

Work Order ID: 62266

Parent Item:

D3936-5

Parent Item Name: Divider



Start Date: 9/24/10

Required Date: 10/01/10

Start Qty: 5.00

Required Qty: 5.00

Comments:

IPP RevA: New issue DD verified by:EC

| Component Item ID/ Item Name | Replacement Item ID | Mfg/ Purch | Bin Item | Primary Location | Last Location | Route Seq ID | Unit of Measure | Qty on Hand | Qty per Kit | Total Qty | Qty Issued | Date Issued | Status |
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|-----------------|----------------|--------|
| M6061T6S.040 | | Purchased | No | | | 100 | sf | 73.9300 | 0.91 | 4.789474 | 2.2 5 -9-012 | ~ | |
| 6061-T6 .040 Sheet | | | | | | | | | | *** | 210 1 0 | <i>,</i> | |

Page 1

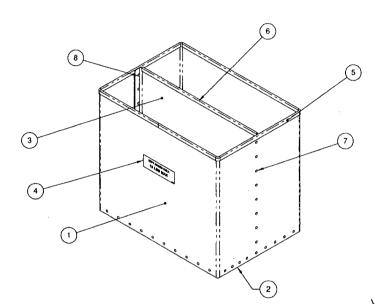
| | Pago | | | | | | | | | | | |
|-------------------|------|--------------------|-----------------------------|------------------------------|-------------------|----------------|-------------|------------|-------------------------------|----------------|--|--|
| W/O: | | WORK ORDER CHANGES | | | | | | | | • , | | |
| DATE | STEP | PRO | OCEDURE CHAI | NGE | By Date Qty Chief | | | | Approval Chief Eng / Prod Mgr | ng / Appi Oyai | | |
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| | | | | | | | | | | | | |
| Part No: PAR #: F | | | Fault Cate | gory: | _ NCR: | Yes N | o DQ | A : | Date: | | | |
| Resolution: | | | Dispositio | າ: | QA: N | I/C Clos | sed: | | Date: | | | |
| NCR: | | , | WORK ORDI | ER NON-CONFORMA | ANCE (| NCR) | | | | | | |
| DATE | STEP | Description of NC | Corrective Action Section B | | | Verificati | | | | Approval | | |
| | J.L. | Section A | Initial Chief Eng | Action Description Chief Eng | • | Sign & Date | Secti | on C | Chief Eng | QC Inspector | | |
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| DART AEROSPACE LTD | Work Order: | 62266 |
|------------------------------|--------------|-------------|
| Description: Divider | Part Number: | D3936-5 |
| Inspection Dwg: D3936 Rev: A | | Page 1 of 1 |

FIRST ARTICLE INSPECTION CHECKLIST

| | X | First Article | | rototype | | |
|-----------------------|---------------------|------------------------|------------|----------|----------------------|------------|
| Drawing Dimension | Tolerance | Actual Dimension | Accept | Reject | Method of Inspection | Comments |
| Ø0.098 | +0.004/-0.001 | ,100 | A | | VBOL | |
| 10.598 | +/-0.010 | 10.600 | × | | TIBOL | |
| 1.178 | +/-0.010 | 6178 | 5 | | V | |
| 12.075 | +/-0.010 | 17.075 | > | | Τ | |
| 11.662 | +/-0.010 | 11.653 | 9 X | | 7 | |
| 0.725 | +/-0.010 | ,715 | 8 | | V | , |
| 0.300 | +/-0.010 | -303 | Ø- | | V | |
| 1.298 | +/-0.010 | 1.302 | × | | ν | |
| 1.698 | +/-0.010 | 1,695 | y | | V | |
| 8.400 | +/-0.010 | 8.400 | % | | V PRO 03 13 | |
| 1.200 | +/-0.010 | 1.760 | 7 | | V | |
| 12.375 | +/-0.010 | 13.375 | 1 | | N 650 0348 | |
| 0.040 | +/-0.010 | ,039 | یح | | V | |
| · | | | | | | |
| leasured by: Date: | B 10-9-57 | Audited by: { Date: 60 | lithe | Prot | otype Approval: | N/A N/A |
| Rev Date A 09.10.22 | Change New Issue | | | | Revised by | Approve |

| ITEM NO. | QTY. -041 | PART NUMBER | DESCRIPTION |
|----------|--------------|--------------|----------------|
| 1 | 1 | D3936-1 | SIDES |
| 2 | 1 | D3936-3 | воттом |
| 3 | 1 | D3936-5 | DIVIDER |
| | | | |
| 4 | 1 | D3938-3 | PLACARD |
| 5 | 1 | D3941-40 | RUBBER CUSHION |
| 6 | 1 | D3941-12 | RUBBER CUSHION |
| | | | |
| 7 | 56 | MS20426AD3-4 | RIVET |
| 8 | 8 | MS20426AD3-5 | RIVET |



D3936-041 MAPBOX ASSEMBLY

ASSEMBLY INSTRUCTIONS

- BEND D3936-1/-3/-5 PARTS PER SHEETS 2-7.
- POSITION D3936-5 DIVIDER IN PLACE INSIDE THE D3936-1 SIDES AND CLECO IN PLACE.
- POSITION THE D3936-3 BOTTOM IN PLACE AGAINST THE D3936-5 DIVIDER AND INSIDE THE
- TRANSFER DRILL 10X Ø0.098 (#40 DRILL) HOLES FROM THE D3936-3 BOTTOM TO THE D3936-5 DIVIDER. PLACE CLECOS IN TRANSFER DRILLED HOLES TO MAINTAIN ALIGNMENT AS THEY
- TRANSFER DRILL 38X Ø0.098 HOLES FROM D3936-1 SIDES TO D3936-3 BOTTOM. PLACE CLECOS IN TRANSFER DRILLED HOLES TO MAINTAIN ALIGNMENT AS THEY ARE DRILLED.
- REMOVE ALL CLECOS AND COUNTERSINK 64X EXTERIOR HOLES Ø 0.179 X 100°. DEBURR ALL
- REASSEMBLE PARTS USING CLECOS IN EVERY THIRD HOLE TO MAINTAIN ALIGNMENT.
- RIVET D3936-1 SIDE TO D3936-5 DIVIDER USING MS20426AD3 RIVETS. INSTALL MS20426AD3 RIVETS RANDOMLY THROUGHOUT ASSEMBLY SO THAT ALL PARTS ARE DRAWN TOGETHER
- RIVET D3936-5 DIVIDER TO D3936-3 BOTTOM USING MS20426AD3 RIVETS. INSTALL MS20426AD3 RIVETS RANDOMLY THROUGHOUT ASSEMBLY SO THAT ALL PARTS ARE DRAWN TOGETHER
- RIVET D3936-3 BOTTOM TO D3936-1 SIDE USING MS20426AD3 RIVETS. INSTALL MS20426AD3 RIVETS RANDOMLY THROUGHOUT ASSEMBLY SO THAT ALL PARTS ARE DRAWN TOGETHER EVENLY.
- POWDER COAT ASSEMBLY PER NOTE 2.
- TEST FIT RUBBER CUSHION TO TOP EDGE OF MAPBOX. TRIM AS REQUIRED FOR PROPER FIT.
- 13. REMOVE RUBBER CUSHION.
- APPLY SMALL BEAD OF SILICONE/ADHESIVE TO TOP EDGE OF MAPBOX.
- SLIDE RUBBER CUSHION OVER EDGE AND PRESS INTO SILICONE/ADHESIVE. 15.
- WIPE OFF ANY EXCESS SILICONE/ADHESIVE BEFORE IT DRIES/CURES.
- APPLY D3938-3 PLACARD AS SHOWN.
- ALLOW SEALANT/ADHESIVE TO CURE/DRY 24 HRS BEFORE SHIPPING PART LE A

NEW ISSUE

| do | buly |
|----|------|
|----|------|

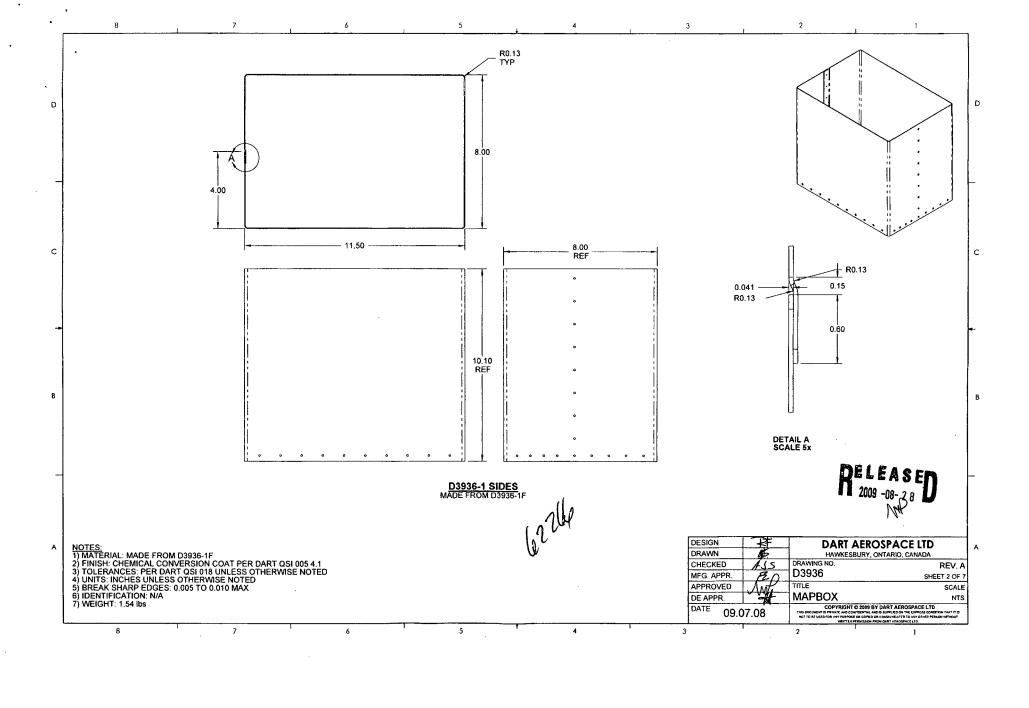
| REV. | | BY | DATE | | | | |
|------------|---|---|-----------------------------|--------------|--|--|--|
| DESIGN | | DART AEROSPACE LTD | | | | | |
| DRAWN | \$ | | HAWKESBURY, ONTARIO, CANADA | | | | |
| CHECKED | 135 | DRAWING NO. | | REV. A | | | |
| MFG. APPR. | B | D3936 | | SHEET 1 OF 7 | | | |
| APPROVED | 14 | TITLE | | SCALE NTS | | | |
| DE APPR. | d#- | MAPBOX | | | | | |
| DATE 09. | 07.08 | THIS DOCUMENT IS PRIVATE AND COMPOSITION AND IS SUPPLIED ON THE CAPPESS CONDITION THAT IS NOT TO BE LISTED ON AN EXPENSE OF THE CAPPESS CONDITION THAT IS NOT TO BE LISTED ON THE CAPPESS CONDITION OF THE CAPPESS CONDITION | | | | | |

NOTES: 1) MATERIAL: N/A

1) MATERIAL: N/A
2) FINISH: POWDER COAT "BLACK SANDTEX" (4.3.5.7) PER DART QSI 005 4.3
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3936-041" AND B/N USING A WHITE FINE POINT PAINT MARKER
7) WEIGHT: 2.54 lbs

09.07.08

| W/O: | | | W | ORK ORDER CHANG | ES | · · · · | | |
|-----------|------|--------------------------------|----------------------|------------------------------|----------------|----------------|-------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | | | Ву | Date Qty | Approval Chief Eng / | Approval QC Inspector |
| | | | | | | | Prod Mgr | |
| | | | | | | | | |
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| | | | | | | | | |
| Part No | • | PAR #: | Fault Cat | egory: | _ NCR: Yes | No DQA: | Date: _ | |
| | | esolution: | Dispositi | on: | _ QA: N/C Cld | osed: | Date: | |
| NCR: | | \ | NORK ORI | DER NON-CONFORMA | ANCE (NCR |) | | |
| DATE STEP | CTED | Description of NC Section A | | Corrective Action Section B | | Verification | Approval | Approval |
| | SIEP | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | Section C | Chief Eng | QC Inspector |
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|----------|-----------|-------------------|------------------|---------------------------------------|-------------|--------|-----------|-------------------------------------|--------------------------|
| W/O: | | | WC | RK ORDER CHANGI | ES | | | | |
| DATE | STEP | PRO | PROCEDURE CHANGE | | | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | | | |
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| | | | | | | | | | |
| Part No: | | PAR #: | Fault Cate | gory: | NCR: Yes | No DQ | A: | Date: _ | |
| | Re | solution: | Disposition | າ: | QA: N/C C | losed: | ···· | Date: | |
| NCR: | | | WORK ORDI | ER NON-CONFORMA | NCE (NC | ₹) | | | |
| DATE S | STEP | Description of NC | Initial | Corrective Action Section B | | | cation | Approval | Approval |
| | Section A | Section A | Chief Eng | Action Description Chief Eng | Sign & Date | | Section C | Chief Eng | QC Inspector |
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